Customer No. 24498
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Listing and Amendments to the Claims

The listing of claims are as following:

1.   (Currently Amended)   A method for managing isochronous resources in a communication network comprising at least two communication buses linked by way of a wireless transmission bridge, the bridge comprising for each bus a real portal connected to [[ts]] its respective bus, each portal being furnished with wireless communication means, wherein the method comprises the steps of:

- modeling the wireless bridge by each real portal in the form of virtual buses and virtual portals, so that the modeled wireless bridge comprises only virtual bridges with a maximum of two virtual portals;

- emulating a global register of passband availability for the set of wireless links of the wireless bridge;

- reserving passband with the global register for the virtual buses representing each wireless link participating in a communication between two real portals.

2.   (Previously Presented)   The method according to Claim 1, wherein a wireless link is modeled in the form of a virtual bridge.

3.   (Previously Presented)   The method according to Claim 1, wherein a wireless link is modeled in the form of a virtual bus.

4.   (Previously Presented)   The method according to Claim 1, wherein a group of wireless links linking a group of portals having complete connectivity is modeled in the form of a single virtual bus.

5.   (Previously Presented)   The method according to Claim 3, wherein each real portal emulates;

- a virtual portal forming together with the real portal a bridge linking the communication bus connected to the real portal to a virtual so-called internal bus also emulated by the real portal;

- a virtual bridge for each wireless link with another real portal.

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6.   (Previously Presented)   The method according to Claim 2, wherein each real portal emulates:

-      a virtual portal forming together with the real portal a bridge linking the communication bus connected to the real portal to a virtual so-called internal bus also emulated by the real portal;

-      a virtual portal for each wireless link with other portals of the wireless bridge, two virtual portals corresponding to the same wireless link between two real portals forming a virtual bridge representing the wireless link.

7.   (Previously Presented)   The method according to Claim 4, further comprising the step of eliminating an internal bus and virtual portals connected thereto, and of contracting into a bridge the two orphan portals thus created, in the case where the real portal comprising the internal bus forms part of a single wireless link.

8.   (Previously Presented)   The method according to Claim 1, further comprising the step of determining, by each real portal, the set of wireless links between the real portals.

9.   (Previously Presented)   The method according to Claim 8, wherein the step of determining the set of wireless links comprises the steps of:

-      identifying, by each real portal, the other real portals whose data reach it directly;

-      transmission destined for all the other real portals of the wireless network, of the list of real portals with which a direct link exists;

-      reception of the list compiled by each of the other portals.

10.   (Previously Presented)   The method according to Claim 1, further comprising the step of emulating a register of availability of isochronous channels for each virtual bus.

11.   (Previously Presented)   The method according to Claim 1, wherein the step of reserving passband with the global register comprises the sending of a

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request for reserving passband to a manager of isochronous resources of a virtual
bus and for transmitting the request by the said manager of isochronous resources
of the virtual bus to a software module managing the global register of passband
availability.

12.   (Previously Presented)   The method according to Claim 1, wherein the
bridge comprises at least three portals.

13.   (Previously Presented)   A method for managing isochronous
resources in a communication network comprising more than two communication
buses linked by way of a wireless transmission bridge, the bridge comprising for
each bus a portal connected to this bus, each portal being provided with wireless
communication means, the method comprising the steps of:
        - providing a global register of passband availability for the set of
wireless links of the wireless bridge;
        - reserving passband with the global register for each wireless link
participating in a communication between two portals.

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